### **WSCF** ANALYTICAL RESULTS REPORT

for

**Groundwater Remediation Program** 

Richland, WA 99354

Attention:

**Steve Trent** 



Client Services:

All results are reported on an "as received" basis unless otherwise noted in the comment section.

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Contract#: FH-EIS-2003-MEM-001
Report#: WSCF20042191
Report Date: 22-nov-2004

Report WGPP/ver. 1.1

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Groundwater Remediation Program



## **WSCF** ANALYTICAL RESULTS REPORT

Attention:

Steve Trent

Group #:

WSCF20042191

Project:		FU3-006: 200-PV		WSCF								
Sample #	Client II	)	CAS#	Test Performed	Matrix	Method	RQ	Result	Unit	DF	MDL	Analyze Sample Receive
Radioc	hemistry							<u> </u>				
W040002226	B1B588	TRENT	12587-46-1	Gross alpha	SOIL	LA-508-421	U	-5.20	pCi/g	1.00	1.0	11/22/04 11/18/04 11/18/04
W040002226	B1B588	TRENT	E,T,C	Alpha error by LC	SOIL	LA-508-421		+- 5.2	pCi/g	1.00	0.0	11/22/04 11/18/04 11/18/04
W040002226	B1B588	TRENT	12587-47-2	Gross beta	SOIL	LA-508-421		140	pCi/g	1.00	1.4	11/22/04 11/18/04 11/18/04
W040002226	B18588	TRENT	E,T,C	Beta error by LC	SOIL	LA-508-421		+- 17	pCi/g	1.00	0.0	11/22/04 11/18/04 11/18/04

MDL=Minimum Detection Limit

U - Analyzed for but not detected above limiting criteria.

RQ=Result Qualifier

#### DF = Dilution Factor

\* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1.1

Groundwater Remediation Program

# **ANALYTICAL COMMENT REPORT**

Attention: **Project Number**  Group #:

20042191

Sample # Client ID

Lab Area

Test

Comment

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IN Lab Areas:

VALGROUP - Group Validation LOGSAMP - Login for Sample

**VALTEST** - Test Validation LOGTEST - Login for Tests TESTDATA - Test Data Entry

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## **WSCF** TENTATIVELY IDENTIFIED PEAK REPORT

Attention: Project Number

Group #:

20042191

Sample # Client ID

**Test Name** 

Peak Name

CAS#

RT

RQ

Result

Units

RQ=Result Qualifier

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# WSCF METHOD REFERENCES REPORT

The results provided in this report were generated using the following WSCF Laboratory procedures. For your convenience, this table provides a listing of the regulatory or industry methods that are referenced by each of these WSCF procedures. Please note that the most recent version of the regulatory or industry method is listed here even though the WSCF procedure may reference an older version of the method. Also, a reference to a regulatory or industry method here does not necessarily indicate a verbatim implementation of that method.

LA-508-421

LA-508-421: OPERATION OF THE TRI-CARB MODEL 2500TR LIQUID SCINTILLATION ANALYZER None No reference to any industry method.

30000000

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at \ap006\aspdocs\WSCF\Sample Mgmt\ProcedureMethodCrossReference.pdf. This document includes on-line links to full-text versions of the procedures and methods, where available.

Report Date: 22-nov-2004 Report#: WSCF20042191 Report WGPPM/0 w13qlog v1 22-nov-2004 11:09:58

WL# S# Batch QC# Tray Type Sample# Test

24099 1 24455 SAMPLE W040002226 A/B by Liquid Scintillation

### WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20042191

SAF Number:

Matrix: Test:

Sample Date: Receive Date:

QC Type

Analyte

CAS#

QC Found QC Yield

Units

Analysis Date

Lower Limit

Upper Limit

RQ

Lab ID: BATCH QC ASSOCIATED WITH SAMPLE

#### Waste Sampling and Characterization Facility

P.O. BOX 1970 S3-30, Richland, WA 99352 PHONE: (509) 373-7004/FAX: (509) 373-7134

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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Groundwater Remediation Program

Customer Code: GPP

Richland, WA 99354

PO#: 119153/ES10 Group#: 20042191

Attn: Steve Trent

Group#: 20042191
Project#: F03-006
Proj Mar: STEVE TRENT

Proj Mgr: STEVE TRENT A0-2

Phone: 373-5869

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The following samples were received from you on 11/18/04. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Waste Sampling and Characterization Facility.

Sample#	Sample	Id Matrix Tests Scheduled	Sample Date
W040002226	B1B588	TRENT Solid, or handle as if solid	11/18/04
		Test Acronym Description	
Test Ac	ronym	Description	
@TO	TALAB	A/B by Liquid Scintillation	

	FLUOR	t Hanford Inc.			CHAIN	OF CUSTOD	Y/SAMPLE A	NALYSIS	REQUEST		FO	3-006-280		PAGE	1 OF	1
COLLECTOR Pope/Prister/Wiberg/Tyra			COMPANY CONTACT TELEPHONE NO. TRENT, SJ 373-5869					PROJECT COORDINATOR TRENT, SJ			PRICE CODE 8N			DATA TURNAROUND		
SAMPLING L	OCATION			PROJECT DESIG	GNATION				SAF NO.		AI	R QUALITY		A	45 Days	1160
200-PW2/216	6- <b>5</b> -7, 44.0-46	.5 ft		200-PW-2/200-P	W-4 QU - Borehol	e Soll Samplir	ng		F03-006					シイク	45 tray	/s 
				FIELD LOGBOOI	COA			METHOD OF SHIPMENT						571		
OKP-	-047	UUS-		HNF-N-3361			119153ES10		Governme	nt Vehicle						
SHIPPED TO	)			OFFSITE PROPE				BILL OF LADING/AIR BILL N					<del>-</del> -			
Waste Sampli	ing & Characte	erization		N/A					N/A							
MATRIX* A-Air DL=Drum Liquids DS=Drum Solids L=Liquid 0=Oil S=Soil SE=Sediment T=Tissue		PRESER	VATION	None				-								
		TYPE OF C	ONTAINER	P				1								
		NO. OF CON	ITAINER(S)	1									l _			
Pope/Pfister/V SAMPLING LG 200-PW2/216- ICE CHEST N SHIPPED TO Waste Samplir MATRIX* A=Air DL=Drum Lquids DS=Drum Solids L=Llquid 0=01 S=Soil SE=Sediment					UME	20mL						!		:	!	
	SPECIAL	HANDLING AP	ND/OR STORAGE	SAMPLE A	NALYSIS	Activity Scan;									· <del></del>	
	L	2004 Z10								· · · · · · · · · · · · · · · · · · ·	 		88 3 NA.	<u> </u>	3 /2	
	LE NO.	-	4ATRIX*	SAMPLE DATE	i					The state of		1000000				
1B588	F	SOIL	<u> </u>	11-18-04	08:15		<u> </u>	ļ	i ·	!	· 	<u> </u>			<u> </u>	
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		<u>-</u>		SIGN/ PRINT NAMES				COD CHIODING PHIDDOCCC								
in DIVENE	Daring	J-st 1	DATE/TIME  1-18-04 11-5  DATE/TIME	RECEIVED BY/S	Bisi	. ho Bo	DATE/TI S. H / Y/\$*/ DATE/TI	75.5								
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ELINQUISHED	D BY/REMOVE	D FROM	DATE/TIME	RECEIVED BY/S	STORED IN		DATE/TI	ME								
·			DATE/TIME	RECEIVED BY/S			DATE/TI									
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LABORATO	KT	IVED BY		1				T.	ITLE	***			C	PATE/TIME		
SECTION	4															